SAM Database Usage

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DØ DB Taking Stock Meeting

6 June 2005

* Thanks to Anil for query help!

Status

◆ Smooth DB Operations
(thanks to DB support group!)

◆ No major schema changes planned
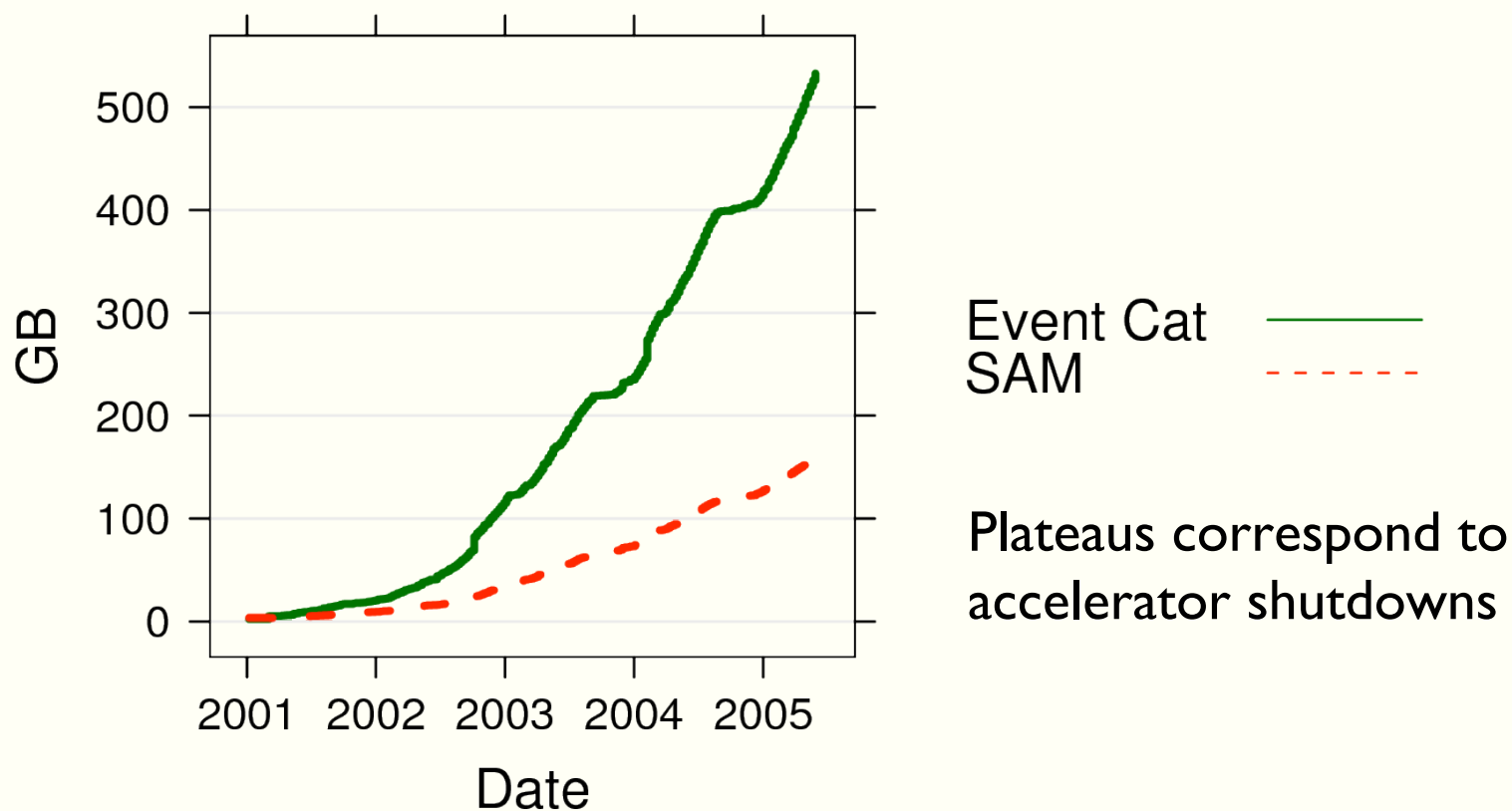
Current Size   *(as of 1 June 2005)*

◆ SAM Data and Event Catalog

	Size (GB)	% Indices
SAM	159.6	92.5%
Event Cat	532.7	36.1%
Total	692.3	49.1%

◆ On 11/2004, 547 GB Total (421 GB event cat)

Growth History

DB Growth

GB (y-axis): 0, 100, 200, 300, 400, 500
Date (x-axis): 2001, 2002, 2003, 2004, 2005

Event Cat ———
SAM - - - -

Plateaus correspond to accelerator shutdowns

Growth Rate for SAM + Event Catalog

◆ Previous growth rates

Period	Growth Rate (GB/day)
2003	0.60
2004	0.91
2005	1.03

◆ Predictions

	Rate	Days	Size (GB)	
End of 2005	1.1	172	881	6 wk down
End of 2006	2.2	270	1,475	Long down, x2 rate
End of 2007	2.2	300	2,135	x2 rate

A. Lyon (DB Taking Stock, June 2005)